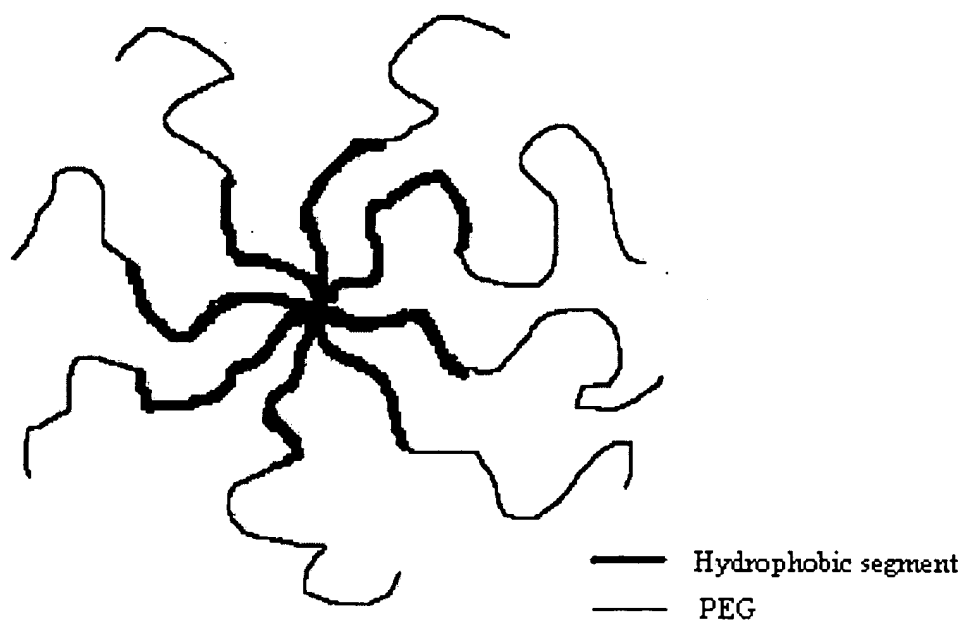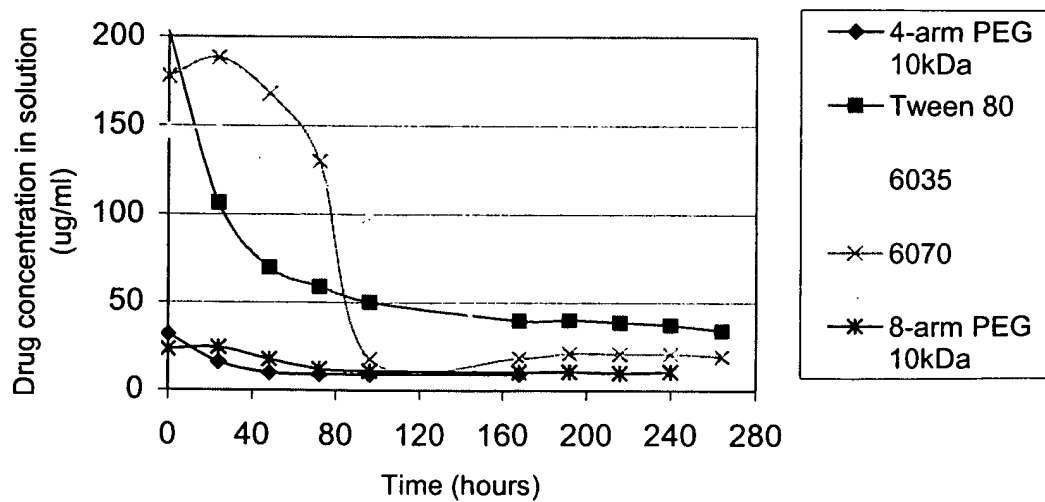— Hydrophobic segment

— PEG

Figure 1

Figure 2: Release profile of MNIPD in aqueous solutions at pH 7

Figure 3: Release profile of simvastatin in aqueous solutions at pH 7
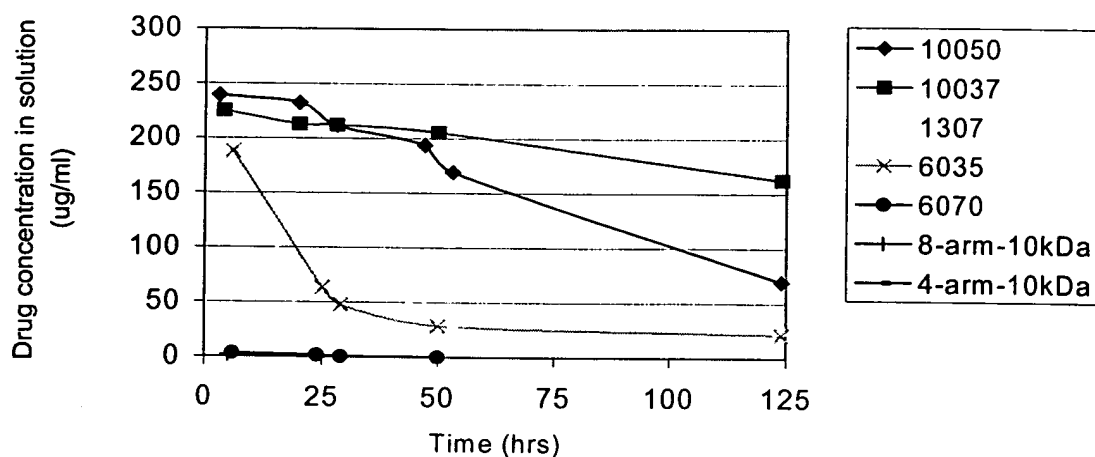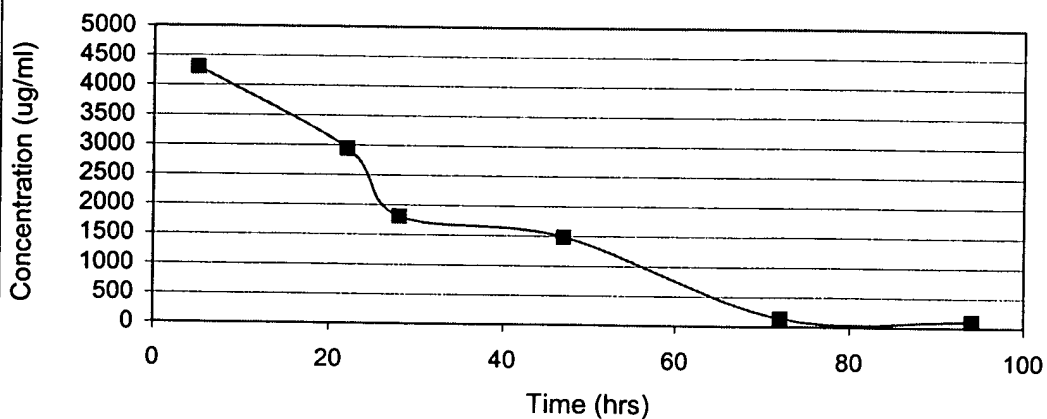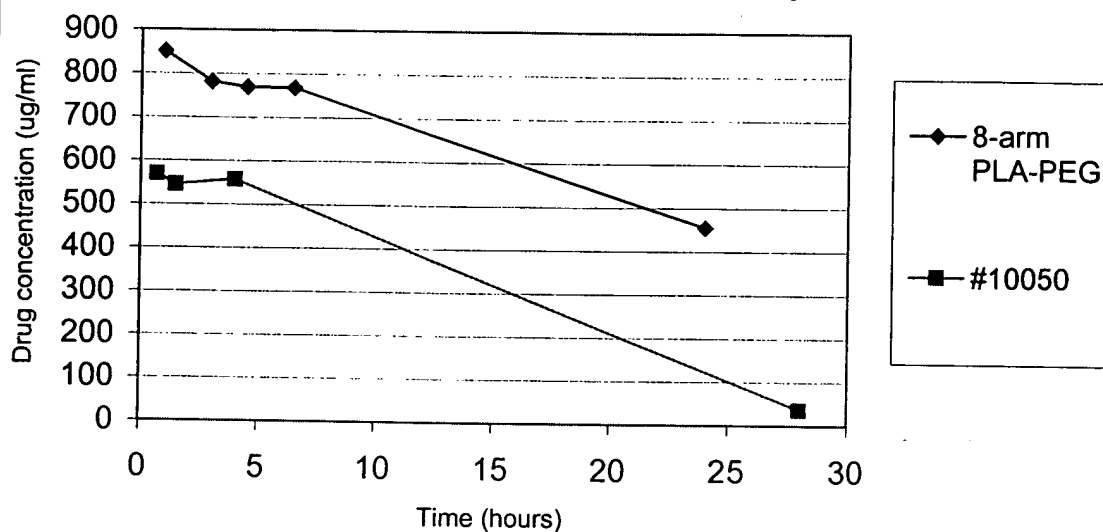

Figure 4: Release Profile of Simvastatin From Bisphosphonate Derivative of PPO-PEG 10050 in pH 7.0
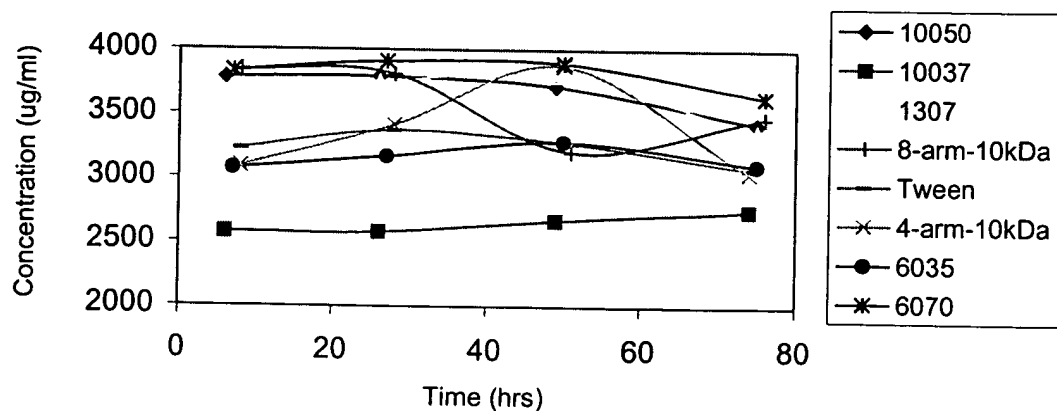
Figure 5: Release profile of paclitaxel from multiarm block copolymers in aqueous solution at pH 7.0

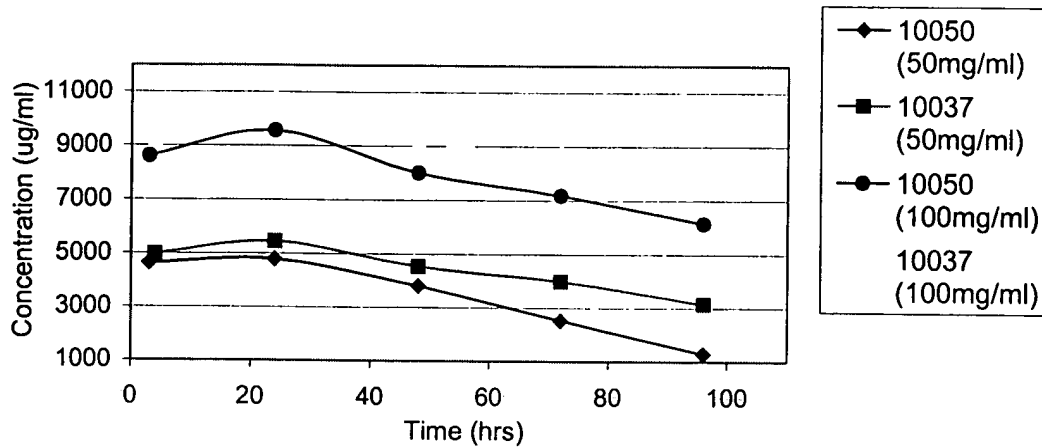Figure 6: Release profile of Indomethacin in aqueous solutions at pH 7

Title: MULTI-ARM BLOCK COPOLYMERS AS DRUG DELIVERY
VEHICLES
Inventor(s): Xuan Zhao
Application No: To Be Assigned
Atty Dkt No: 034848/274536

4/6

Figure 7: Release Profile of Pivaloxymethyl butyrate in aqueous solutions at pH 7

Legend:
- 10050 (50mg/ml)
- 10037 (50mg/ml)
- 10050 (100mg/ml)
- 10037 (100mg/ml)

Figure 8: Release profile of cyclosporin A solubilized by 8-arm-PCL-PEG2$_{6kDa}$ in phosphate buffer (pH 7.0) at 37 deg. C
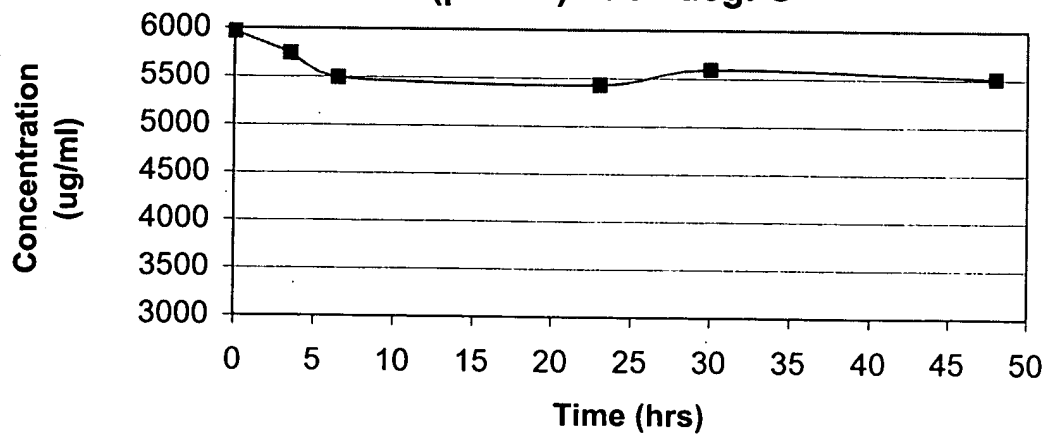
Figure 9: Release profile of paclitaxel solubilized by 8-arm-PCL-PEG2$_{6kDa}$ in phosphate buffer (pH 7.0) at 37 deg. C
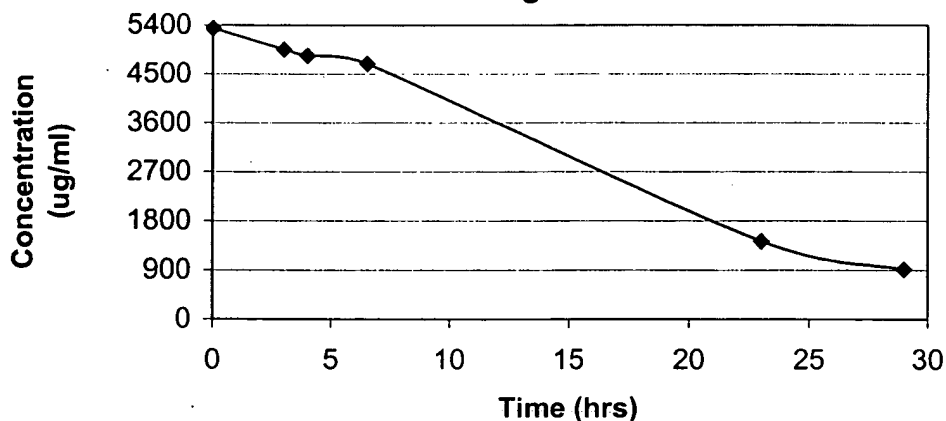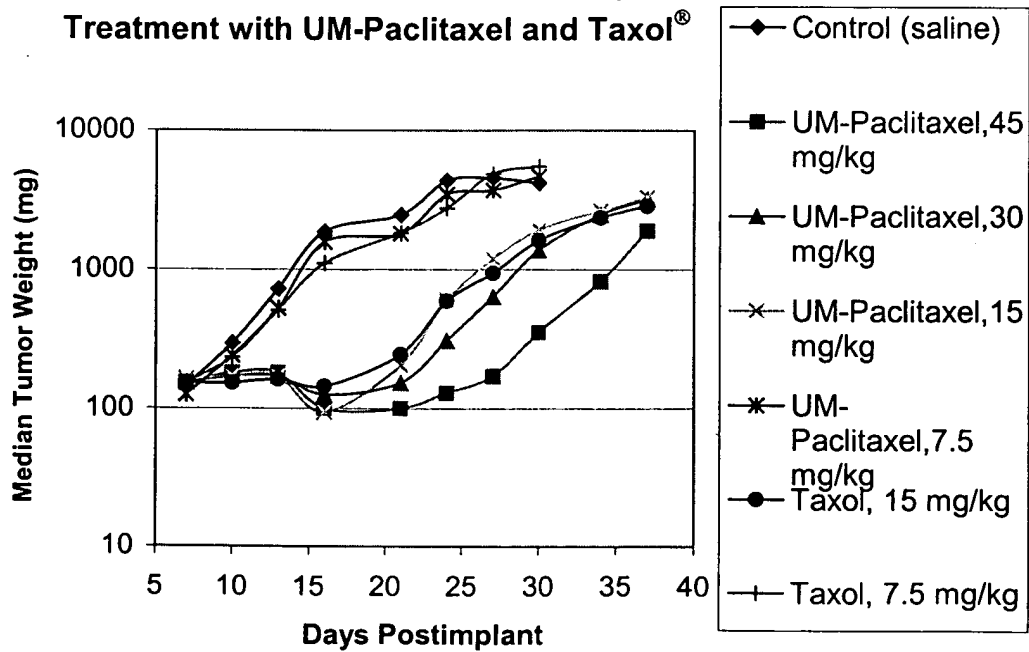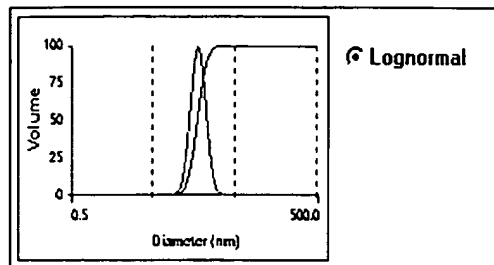

Figure 10: Response of SC NCI-H460 Lung Tumor to Treatment with UM-Paclitaxel and Taxol®

HG[PCL-PEG3k2] by dialysis (Combined)	
Effective Diameter:	**19.6 nm**
Polydispersity:	**0.064**
Avg. Count Rate:	**71.3 kcps**
Sample Quality:	**9.3/100.00%**
Elapsed Time:	**00:12:00**

Run	Eff. Diam. (nm)	Half Width (nm)	Polydispersity	Sample Quality
1	20.1	5.5	0.075	8.6/100.00%
2	19.7	5.7	0.082	9.3/100.00%
3	19.3	5.4	0.077	9.7/100.00%
4	19.1	5.5	0.082	9.6/100.00%
5	19.5	3.9	0.040	8.8/100.00%
6	19.5	4.1	0.044	9.7/100.00%
Mean	19.5	5.0	0.067	9.3/100.00%
Std. Error	0.1	0.3	0.008	0.2/ 0.00
Combined	19.6	4.9	0.064	9.3/100.00%

Figure 11